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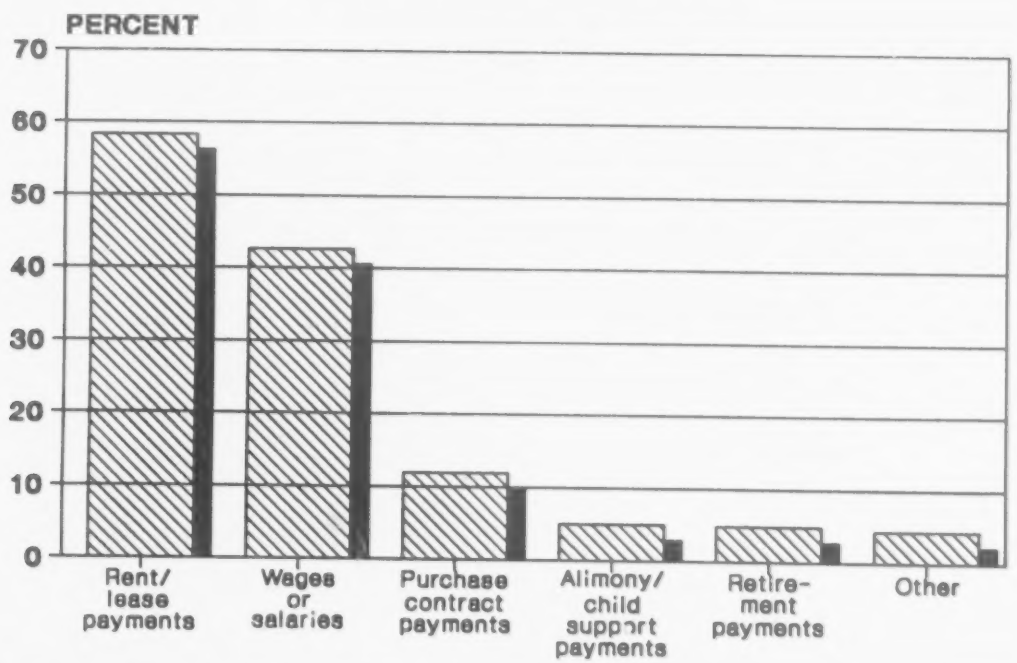
JOB SERVICE North Dakota

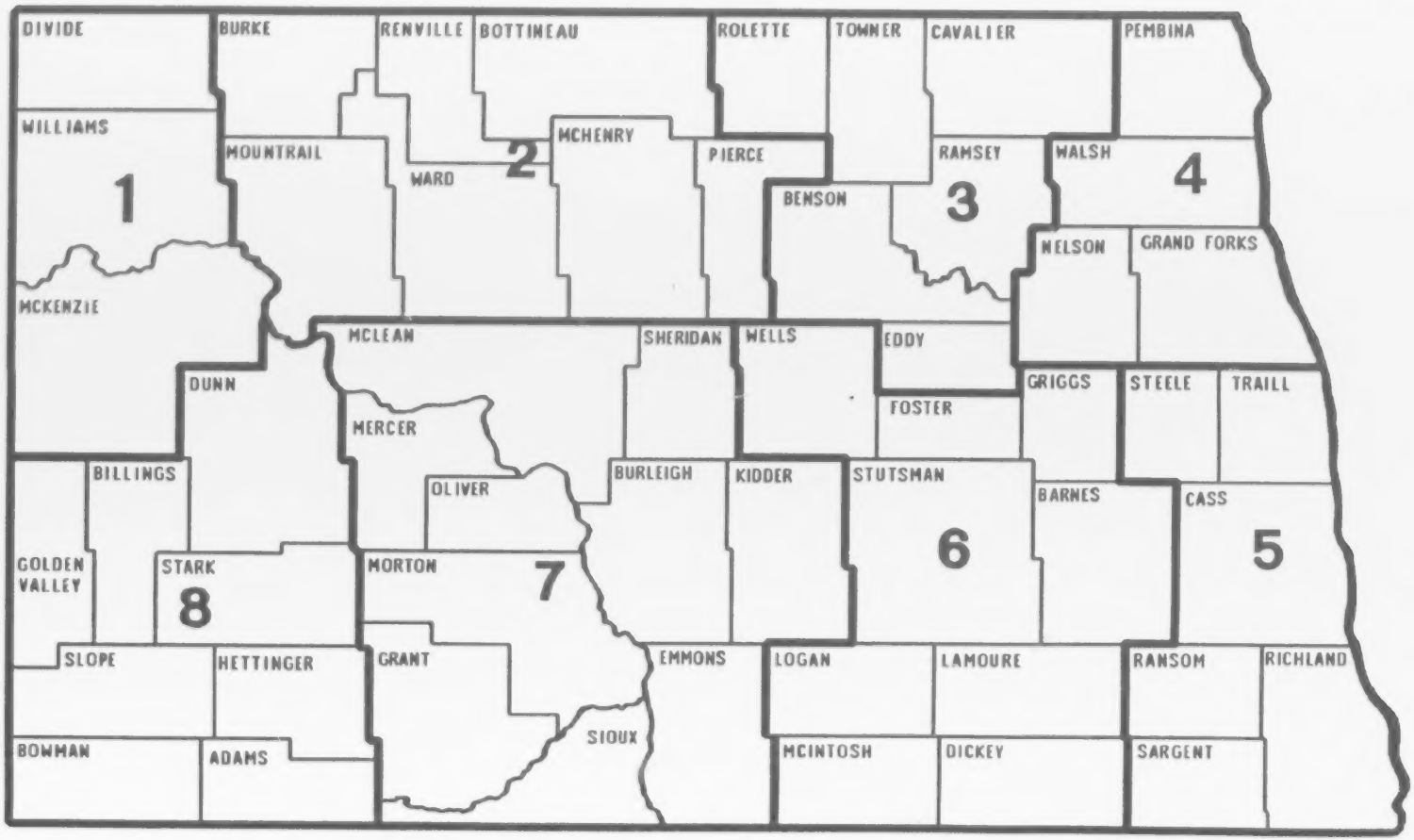
# The North Dakota Labor Market Advisor

## TYPES OF ADJUSTMENTS BASED ON CPI



# NORTH DAKOTA STATE PLANNING REGIONS

Labor force, employment, and hours and earnings estimates are compiled in cooperation with the Bureau of Labor Statistics, U.S. Department of Labor.



# THE
# NORTH DAKOTA
# LABOR MARKET ADVISOR

June, 1991

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# THE CONSUMER PRICE INDEX AND ITS USERS

Most people are familiar with the Consumer Price Index (CPI). This is the figure that hits the news every month. It is usually not the index itself that is publicized, but the **percentage** change, either from the previous month or the current month one year ago. To illustrate, the index for June 1991 was 136.0. This figure alone doesn't provide any real or meaningful information. However, using this index to compute a percentage change conveys a more specific meaning. When we indicate that the CPI is up 4.7% over June 1990, the average person has a better understanding of the movement of the costs for goods and services.

Even though most people are familiar with the term "Consumer Price Index," the majority would have a difficult time explaining how it works or just exactly what it does. The primary function of the CPI is to measure the costs of specific goods and services. The current costs are compared to the prices paid for the same market basket of goods and services during a base period. The current index has a base period of 1982-1984.

A market basket of goods and services consists of items purchased by the average consumer. The "basket" consists of products such as food, clothing, housing, transportation, medical care, and entertainment. Survey workers check the prices for numerous items within each major group in order to provide a sound basis for the index.

During the base period 1982-1984, this market basket was assigned an index of 100. Subsequent purchases, or pricing of the same items, is done each month. By June 1991, the index had reached 136.0. This simply means that the same market basket of goods and services in June 1991 cost $136 compared to $100 in the 1982-1984 base period.

While the CPI has a passing interest for the man on the street, its impact is significant to many users. To determine who uses the CPI and for what purpose, the Bureau of Labor Statistics (BLS) conducted a survey in 1989 among their primary users. The information was published by BLS in June, 1990. These were individuals or firms who received the information directly from BLS and are on BLS mailing lists. The survey excluded the secondary users who received the CPI information through radio, TV, newspapers, and other related sources.

The survey found that 29% of the users are involved in real estate. Manufacturing was a distant second with 10%. Other sectors using the data were agencies in state and local government, law offices, schools, firms in wholesale and retail trade, accounting firms, and a host of miscellaneous groups.

Over half of the individuals or firms who receive the data directly from BLS use the data on a monthly basis. The next question is: What use do these firms make of the CPI data? Not surprisingly, adjustments to wages and salaries led the list with over three-fourths of the respondents indicating this use. Other uses included: general indicator of inflation (46%), forecasting (28%), financial planning (26%), price trends for specific items (20%), and research (16%).

The major income sources to which the CPI adjustment was applied involved rent/lease payments, wages or salaries, contract payments, alimony or child support, and retirement payments. Using the CPI as an escalator in these areas can have a significant impact since the application usually has a multiplying effect. As an example, a lease for $500 per month, assuming a 5% increase in the CPI, adds $25 per month or $300 for the

year. The next year, with the base at $525, the increase amounts to $26.25 per month or $315 for the 12-month period. By the 15th year, the lease payments will nearly double to $989 per month.

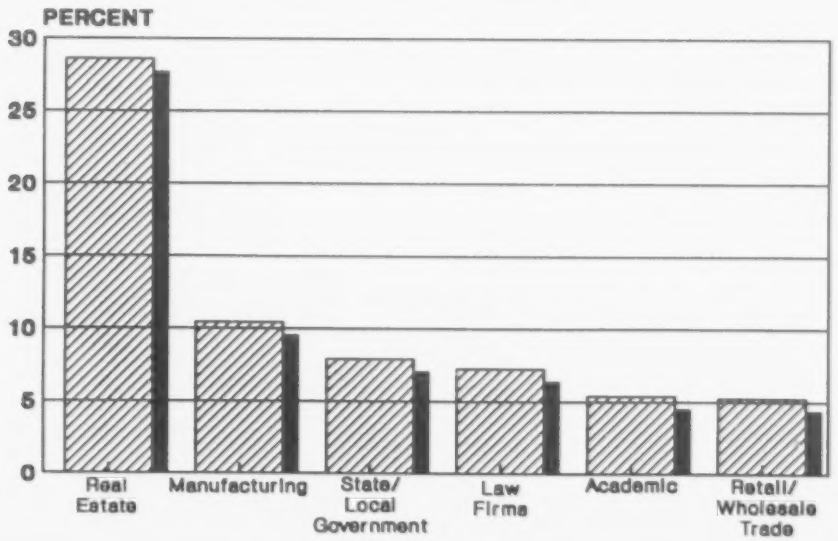
Without an inflation factor tied to a long-term contract, whether it be a property lease, child support, or related, the person receiving payment is going to be receiving far less **value** for each dollar actually received. Using the illustration in the above paragraph without an inflation factor, the person would continue to receive the $500 per month, but the 5% inflation per year would have **reduced** the purchasing power by the 15th year to approximately $250.

While this type of an escalator is important in business ventures such as leases, sale of property on a contract for deed, etc., it may be even more critical for an individual relying on an income from a single fixed source for daily necessities. If the recipient is a single person with children or a retiree relying on these payments for living expenses, the results of not having an escalator clause built into the contract could be devastating. A person who has worked through the prime of life and is now in retirement could face severe financial problems if the purchasing power of his/her income should continue to fall each month.

Remember the next time you see or read about the Consumer Price Index, the impact it has on the lives of others. For the average working person, it may mean daily living costs will be slightly higher. However, for thousands of others, it will mean a larger check in the mail. The increased income will permit them to retain their standard of living even as the purchasing power of the dollar continues to shrink due to inflation.

**Dale R. Dehlin**
**Research Analyst**

# TYPES OF ORGANIZATIONS
## USING CPI DATA



# NORTH DAKOTA
# NONAG WAGE AND SALARY EMPLOYMENT

(Rounded to Fifty)

| INDUSTRIES | CURRENT MONTH | PREVIOUS MONTH | % CHANGE FROM | ONE YEAR AGO | % CHANGE FROM |
|---|---|---|---|---|---|
| Benchmark 90/1 | June 1991 | May 1991 | May 1991 | June 1990 | June 1990 |
| **TOTAL NONAG** | 272,700 | 272,750 | 0.0% | 269,900 | 1.0% |
| GOODS PRODUCING | 34,450 | 33,050 | 4.2% | 33,450 | 3.0% |
| MINING | 4,800 | 4,600 | 4.3% | 4,450 | 7.9% |
| Coal | 1,050 | 1,050 | 0.0% | 1,050 | 0.0% |
| Crude Petroleum & Nat. Gas | 3,200 | 3,100 | 3.2% | 2,900 | 10.3% |
| Other Mining | 550 | 450 | 22.2% | 500 | 10.0% |
| CONSTRUCTION | 12,000 | 10,900 | 10.1% | 11,700 | 2.6% |
| Building Construction | 2,800 | 2,400 | 16.7% | 2,800 | 0.0% |
| Street, Highway & Heavy | 3,700 | 3,400 | 8.8% | 3,200 | 15.6% |
| Special Trade Construction | 5,500 | 5,100 | 7.8% | 5,700 | -3.5% |
| MANUFACTURING | 17,650 | 17,550 | 0.6% | 17,300 | 2.0% |
| Durable Goods | 9,300 | 9,300 | 0.0% | 9,200 | 1.1% |
| Fabricated Metals | 1,100 | 1,050 | 4.8% | 1,200 | -8.3% |
| Machinery, Electric & Trans. Equip | 5,700 | 5,700 | 0.0% | 5,450 | 4.6% |
| Machinery & Electrical Equipment | 4,100 | 4,100 | 0.0% | 3,900 | 5.1% |
| Transportation Equipment | 1,600 | 1,600 | 0.0% | 1,550 | 3.2% |
| Other Durable Goods | 2,500 | 2,550 | -2.0% | 2,550 | -2.0% |
| Lumber & Wood | 1,150 | 1,200 | -4.2% | 1,250 | -8.0% |
| Misc Durable Goods | 1,350 | 1,350 | 0.0% | 1,300 | 3.8% |
| Nondurable Goods | 8,350 | 8,250 | 1.2% | 8,100 | 3.1% |
| Food & Kindred Products | 4,200 | 4,200 | 0.0% | 4,000 | 5.0% |
| Dairy Products | 600 | 600 | 0.0% | 700 | -14.3% |
| Grain Mill & Bakery Products | 1,050 | 1,000 | 5.0% | 900 | 16.7% |
| Sugar & Confectionary | 650 | 650 | 0.0% | 600 | 8.3% |
| Other Foods | 1,900 | 1,950 | -2.6% | 1,800 | 5.6% |
| Paper Products & Printing & Publishing | 2,600 | 2,600 | 0.0% | 2,600 | 0.0% |
| Other Nondurable Goods | 1,550 | 1,450 | 6.9% | 1,500 | 3.3% |
| SERVICES PRODUCING | 238,250 | 239,700 | -0.6% | 236,450 | 0.8% |
| TRAN, COMM & UTILITIES | 17,100 | 17,100 | 0.0% | 17,300 | -1.2% |
| Transportation | 8,900 | 9,000 | -1.1% | 8,900 | 0.0% |
| Trucking & Warehousing | 5,000 | 5,000 | 0.0% | 5,100 | -2.0% |
| Other Transportation | 3,900 | 4,000 | -2.5% | 3,800 | 2.6% |
| Railroads | 1,950 | 1,900 | 2.6% | 1,900 | 2.6% |
| Local & Suburban Transportation | 650 | 850 | -23.5% | 700 | -7.1% |
| Water, Air & Pipeline | 1,300 | 1,250 | 4.0% | 1,200 | 8.3% |
| Communications | 3,500 | 3,500 | 0.0% | 3,500 | 0.0% |
| Utilities | 4,700 | 4,600 | 2.2% | 4,900 | -4.1% |
| WHOLESALE TRADE | 19,500 | 19,300 | 1.0% | 19,800 | -1.5% |
| Durable Goods | 9,100 | 8,900 | 2.2% | 9,200 | -1.1% |
| Nondurable Goods | 10,400 | 10,400 | 0.0% | 10,600 | -1.9% |

# NORTH DAKOTA
# NONAG WAGE AND SALARY EMPLOYMENT

(Rounded to Fifty)

| INDUSTRIES | CURRENT MONTH | PREVIOUS MONTH | % CHANGE FROM | ONE YEAR AGO | % CHANGE FROM |
|---|---|---|---|---|---|
| Benchmark 90/1 | June 1991 | May 1991 | May 1991 | June 1990 | June 1990 |
| RETAIL TRADE | 52,950 | 52,850 | 0.2% | 51,500 | 2.8% |
| Hardware & Garden | 2,500 | 2,500 | 0.0% | 2,500 | 0.0% |
| General Merchandise | 7,300 | 7,400 | -1.4% | 6,200 | 17.7% |
| Food Stores | 7,200 | 7,200 | 0.0% | 7,300 | -1.4% |
| Auto Dealers & Service Stations | 6,900 | 6,900 | 0.0% | 6,900 | 0.0% |
| Apparel & Accessory | 2,400 | 2,400 | 0.0% | 2,600 | -7.7% |
| Furniture Stores | 1,650 | 1,650 | 0.0% | 1,700 | -2.9% |
| Eating & Drinking Places | 19,100 | 18,900 | 1.1% | 18,700 | 2.1% |
| Misc Retail | 5,900 | 5,900 | 0.0% | 5,600 | 5.4% |
| FINANCE, INS & REAL ESTATE | 12,700 | 12,650 | 0.4% | 12,550 | 1.2% |
| Finance | 6,550 | 6,600 | -0.8% | 6,550 | 0.0% |
| Banking | 5,600 | 5,600 | 0.0% | 5,600 | 0.0% |
| Other Finance | 950 | 1,000 | -5.0% | 950 | 0.0% |
| Insurance | 4,150 | 4,100 | 1.2% | 4,100 | 1.2% |
| Insurance Underwriters | 2,600 | 2,600 | 0.0% | 2,600 | 0.0% |
| Insurance Agents & Brokers | 1,550 | 1,500 | 3.3% | 1,500 | 3.3% |
| Real Estate | 2,000 | 1,950 | 2.6% | 1,900 | 5.3% |
| SERVICES | 71,300 | 70,700 | 0.8% | 69,400 | 2.7% |
| Lodging | 4,600 | 4,600 | 0.0% | 4,500 | 2.2% |
| Personal & Business | 8,200 | 8,200 | 0.0% | 8,200 | 0.0% |
| Personal Services | 3,200 | 3,200 | 0.0% | 3,100 | 3.2% |
| Business Services | 5,000 | 5,000 | 0.0% | 5,100 | -2.0% |
| Recreational Services | 2,900 | 2,700 | 7.4% | 2,800 | 3.6% |
| Health Services | 29,900 | 29,500 | 1.4% | 28,900 | 3.5% |
| Nursing & Hospital | 21,900 | 21,600 | 1.4% | 21,100 | 3.8% |
| Other Health | 8,000 | 7,900 | 1.3% | 7,800 | 2.6% |
| Educational Services | 2,600 | 2,900 | -10.3% | 2,500 | 4.0% |
| Social Services | 7,200 | 7,100 | 1.4% | 6,600 | 9.1% |
| Membership Organizations | 8,300 | 8,300 | 0.0% | 8,100 | 2.5% |
| Other Services | 7,600 | 7,400 | 2.7% | 7,800 | -2.6% |
| Auto & Misc Repair | 2,300 | 2,300 | 0.0% | 2,400 | -4.2% |
| Legal Services | 1,500 | 1,500 | 0.0% | 1,500 | 0.0% |
| Misc Services | 3,800 | 3,600 | 5.6% | 3,900 | -2.6% |
| GOVERNMENT | 64,700 | 67,100 | -3.6% | 65,900 | -1.8% |
| Federal | 10,300 | 10,300 | 0.0% | 10,900 | -5.5% |
| State & Local | 54,400 | 56,800 | -4.2% | 55,000 | -1.1% |
| State Government | 19,200 | 20,600 | -6.8% | 18,700 | 2.7% |
| Educational Services | 11,600 | 13,300 | -12.8% | 11,400 | 1.8% |
| Other State Government | 7,600 | 7,300 | 4.1% | 7,300 | 4.1% |
| Local Government | 35,200 | 36,200 | -2.8% | 36,300 | -3.0% |
| Educational Services | 16,200 | 18,300 | -11.5% | 16,300 | -0.6% |
| Other Local Government | 19,000 | 17,900 | 6.1% | 20,000 | -5.0% |

# NONAGRICULTURAL
# WAGE AND SALARY EMPLOYMENT

| INDUSTRIES | CURRENT MONTH | PREVIOUS MONTH | % CHANGE FROM | ONE YEAR AGO | % CHANGE FROM |
|---|---|---|---|---|---|
| Benchmark 90/1 | June 1991 | May 1991 | May 1991 | June 1990 | June 1990 |
| **BISMARCK MSA** | | | | | |
| **TOTAL NONAG** | 42,150 | 41,800 | 0.8% | 40,800 | 3.3% |
| GOODS PRODUCING | 4,900 | 4,800 | 2.1% | 4,400 | 11.4% |
| MINING & CONSTRUCTION | 2,500 | 2,400 | 4.2% | 2,100 | 19.0% |
| MANUFACTURING | 2,400 | 2,400 | 0.0% | 2,300 | 4.3% |
| Durable Goods | 1,000 | 1,000 | 0.0% | 1,000 | 0.0% |
| Nondurable Goods | 1,400 | 1,400 | 0.0% | 1,300 | 7.7% |
| SERVICES PRODUCING | 37,250 | 37,000 | 0.7% | 36,400 | 2.3% |
| TRANS, COMM. & UTILITIES | 2,950 | 2,900 | 1.7% | 2,850 | 3.5% |
| Transportation | 1,250 | 1,250 | 0.0% | 1,200 | 4.2% |
| Communications & Utilities | 1,700 | 1,650 | 3.0% | 1,650 | 3.0% |
| WHOLESALE TRADE | 2,100 | 2,100 | 0.0% | 2,200 | -4.5% |
| RETAIL TRADE | 8,550 | 8,400 | 1.8% | 8,500 | 0.6% |
| General Merchandise & Apparel | 1,700 | 1,700 | 0.0% | 1,600 | 6.3% |
| Food Stores | 1,100 | 1,050 | 4.8% | 1,100 | 0.0% |
| Auto Dealers & Service Stations | 1,050 | 1,050 | 0.0% | 1,150 | -8.7% |
| Eating & Drinking Places | 2,900 | 2,800 | 3.6% | 3,000 | -3.3% |
| Other Retail | 1,800 | 1,800 | 0.0% | 1,650 | 9.1% |
| FINANCE, INS. & REAL ESTATE | 1,500 | 1,500 | 0.0% | 1,550 | -3.2% |
| SERVICES | 12,750 | 12,800 | -0.4% | 12,250 | 4.1% |
| Lodging | 1,000 | 1,000 | 0.0% | 950 | 5.3% |
| Personal & Business | 1,500 | 1,500 | 0.0% | 1,550 | -3.2% |
| Health Services | 5,500 | 5,400 | 1.9% | 5,100 | 7.8% |
| Educational Services | 500 | 650 | -23.1% | 450 | 11.1% |
| Social Services | 1,250 | 1,250 | 0.0% | 1,200 | 4.2% |
| Membership Organizations | 1,250 | 1,250 | 0.0% | 1,250 | 0.0% |
| Other Services | 1,750 | 1,750 | 0.0% | 1,750 | 0.0% |
| GOVERNMENT | 9,400 | 9,300 | 1.1% | 9,050 | 3.9% |
| Federal | 1,150 | 1,150 | 0.0% | 1,200 | -4.2% |
| State | 4,200 | 4,200 | 0.0% | 4,000 | 5.0% |
| State Education | 300 | 300 | 0.0% | 300 | 0.0% |
| Other State | 3,900 | 3,900 | 0.0% | 3,700 | 5.4% |
| Local | 4,050 | 3,950 | 2.5% | 3,850 | 5.2% |
| Local Education | 2,100 | 2,200 | -4.5% | 2,000 | 5.0% |
| Other Local | 1,950 | 1,750 | 11.4% | 1,850 | 5.4% |

# NONAGRICULTURAL
# WAGE AND SALARY EMPLOYMENT

| INDUSTRIES | CURRENT MONTH | PREVIOUS MONTH | % CHANGE FROM | ONE YEAR AGO | % CHANGE FROM |
|---|---|---|---|---|---|
| | June | May | May | June | June |
| Benchmark 90/1 | 1991 | 1991 | 1991 | 1990 | 1990 |
| **FARGO-MOORHEAD MSA** | | | | | |
| **TOTAL NONAG** | 79,900 | 80,700 | -1.0% | 77,800 | 2.7% |
| GOODS PRODUCING | 9,750 | 9,250 | 5.4% | 10,250 | -4.9% |
| MINING & CONSTRUCTION | 4,200 | 3,800 | 10.5% | 4,400 | -4.5% |
| Special Trade | 2,200 | 2,000 | 10.0% | 2,300 | -4.3% |
| Other Mining & Construction | 2,000 | 1,800 | 11.1% | 2,100 | -4.8% |
| MANUFACTURING | 5,550 | 5,450 | 1.8% | 5,850 | -5.1% |
| Durable Goods | 2,800 | 2,750 | 1.8% | 3,050 | -8.2% |
| Fabricated Metals & Machinery | 1,550 | 1,450 | 6.9% | 1,550 | 0.0% |
| Other Durable Goods | 1,250 | 1,300 | -3.8% | 1,500 | -16.7% |
| Nondurable Goods | 2,750 | 2,700 | 1.9% | 2,800 | -1.8% |
| Food & Kindred | 1,700 | 1,650 | 3.0% | 1,750 | -2.9% |
| Other Nondurable Goods | 1,050 | 1,050 | 0.0% | 1,050 | 0.0% |
| SERVICES PRODUCING | 70,150 | 71,450 | -1.8% | 67,550 | 3.8% |
| TRANS, COMM & UTILITIES | 4,850 | 4,800 | 1.0% | 4,750 | 2.1% |
| Trucking & Warehousing | 2,300 | 2,300 | 0.0% | 2,200 | 4.5% |
| Other Transportation | 900 | 950 | -5.3% | 950 | -5.3% |
| Communications & Utilities | 1,650 | 1,550 | 6.5% | 1,600 | 3.1% |
| WHOLESALE TRADE | 6,900 | 6,900 | 0.0% | 7,000 | -1.4% |
| Durable Goods | 3,800 | 3,800 | 0.0% | 4,000 | -5.0% |
| Nondurable Goods | 3,100 | 3,100 | 0.0% | 3,000 | 3.3% |
| RETAIL TRADE | 16,400 | 16,600 | -1.2% | 15,550 | 5.5% |
| General Merchandise & Apparel | 3,200 | 3,300 | -3.0% | 2,800 | 14.3% |
| Food Stores | 2,100 | 2,100 | 0.0% | 2,100 | 0.0% |
| Auto Dealers & Service Stations | 2,000 | 2,000 | 0.0% | 1,950 | 2.6% |
| Eating & Drinking Places | 6,200 | 6,300 | -1.6% | 5,900 | 5.1% |
| Other Retail | 2,900 | 2,900 | 0.0% | 2,800 | 3.6% |
| FINANCE, INS & REAL ESTATE | 4,750 | 4,700 | 1.1% | 4,600 | 3.3% |
| Finance | 2,000 | 2,000 | 0.0% | 2,000 | 0.0% |
| Insurance Carriers | 1,600 | 1,600 | 0.0% | 1,500 | 6.7% |
| Other Insurance & Real Estate | 1,150 | 1,100 | 4.5% | 1,100 | 4.5% |
| SERVICES | 22,250 | 22,900 | -2.8% | 21,300 | 4.5% |
| Lodging | 1,400 | 1,450 | -3.4% | 1,350 | 3.7% |
| Personal & Business | 3,800 | 3,800 | 0.0% | 3,600 | 5.6% |
| Recreation & Amusement | 1,100 | 1,050 | 4.8% | 950 | 15.8% |
| Health Services | 8,400 | 8,300 | 1.2% | 8,000 | 5.0% |
| Educational Services | 1,350 | 2,200 | -38.6% | 1,400 | -3.6% |
| Social Services | 1,850 | 1,850 | 0.0% | 1,650 | 12.1% |
| Membership Organizations | 1,550 | 1,550 | 0.0% | 1,550 | 0.0% |
| Other Services | 2,800 | 2,700 | 3.7% | 2,800 | 0.0% |
| GOVERNMENT | 15,000 | 15,550 | -3.5% | 14,350 | 4.5% |
| Federal | 2,300 | 2,300 | 0.0% | 2,400 | -4.2% |
| State | 5,700 | 6,350 | -10.2% | 5,350 | 6.5% |
| State Education | 5,100 | 5,800 | -12.1% | 4,800 | 6.3% |
| Other State | 600 | 550 | 9.1% | 550 | 9.1% |
| Local | 7,000 | 6,900 | 1.4% | 6,600 | 6.1% |
| Local Education | 4,000 | 4,300 | -7.0% | 3,700 | 8.1% |
| Other Local | 3,000 | 2,600 | 15.4% | 2,900 | 3.4% |

# NONAGRICULTURAL
# WAGE AND SALARY EMPLOYMENT

| INDUSTRIES | CURRENT MONTH | PREVIOUS MONTH | % CHANGE FROM | ONE YEAR AGO | % CHANGE FROM |
|---|---|---|---|---|---|
| | June | May | May | June | June |
| Benchmark 90/1 | 1991 | 1991 | 1991 | 1990 | 1990 |
| **GRAND FORKS MSA** | | | | | |
| TOTAL NONAG | 31,250 | 32,650 | -4.3% | 30,750 | 1.6% |
| GOODS PRODUCING | 2,950 | 2,850 | 3.5% | 2,950 | 0.0% |
| MINING & CONSTRUCTION | 1,250 | 1,100 | 13.6% | 1,450 | -13.8% |
| MANUFACTURING | 1,700 | 1,750 | -2.9% | 1,500 | 13.3% |
| Durable Goods | 650 | 700 | -7.1% | 550 | 18.2% |
| Nondurable Goods | 1,050 | 1,050 | 0.0% | 950 | 10.5% |
| SERVICES PRODUCING | 28,300 | 29,800 | -5.0% | 27,800 | 1.8% |
| TRANS, COMM. & UTILITIES | 1,750 | 1,800 | -2.8% | 1,700 | 2.9% |
| Transportation | 1,050 | 1,100 | -4.5% | 1,000 | 5.0% |
| Communications & Utilities | 700 | 700 | 0.0% | 700 | 0.0% |
| WHOLESALE TRADE | 1,550 | 1,550 | 0.0% | 1,600 | -3.1% |
| RETAIL TRADE | 7,650 | 7,700 | -0.6% | 7,550 | 1.3% |
| General Merchandise & Apparel | 1,950 | 2,000 | -2.5% | 1,850 | 5.4% |
| Eating & Drinking Places | 2,900 | 2,900 | 0.0% | 2,800 | 3.6% |
| Other Retail | 2,800 | 2,800 | 0.0% | 2,900 | -3.4% |
| FINANCE, INS. & REAL ESTATE | 1,100 | 1,100 | 0.0% | 1,100 | 0.0% |
| SERVICES | 7,650 | 7,650 | 0.0% | 7,050 | 8.5% |
| Personal & Business | 1,050 | 1,050 | 0.0% | 950 | 10.5% |
| Health Services | 3,000 | 3,000 | 0.0% | 2,800 | 7.1% |
| Other Services | 3,600 | 3,600 | 0.0% | 3,300 | 9.1% |
| GOVERNMENT | 8,600 | 10,000 | -14.0% | 8,800 | -2.3% |
| Federal | 1,550 | 1,550 | 0.0% | 1,600 | -3.1% |
| State | 4,600 | 5,900 | -22.0% | 4,500 | 2.2% |
| State Education | 4,100 | 5,400 | -24.1% | 4,000 | 2.5% |
| Other State | 500 | 500 | 0.0% | 500 | 0.0% |
| Local | 2,450 | 2,550 | -3.9% | 2,700 | -9.3% |
| Local Education | 1,150 | 1,400 | -17.9% | 1,350 | -14.8% |
| Other Local | 1,300 | 1,150 | 13.0% | 1,350 | -3.7% |

## UNITED STATES

## MANUFACTURING HOURS AND EARNINGS

| INDUSTRY | Average Weekly Earnings | | | Average Weekly Hours | | | Average Hourly Earnings | | |
|---|---|---|---|---|---|---|---|---|---|
| | JUN 1991 | MAY 1991 | JUN 1990 | JUN 1991 | MAY 1991 | JUN 1990 | JUN 1991 | MAY 1991 | JUN 1990 |
| MANUFACTURING | 458.49 | 449.35 | 445.94 | 40.9 | 40.3 | 41.1 | 11.21 | 11.15 | 10.85 |
| Durable Goods | 489.29 | 476.19 | 474.13 | 41.5 | 40.7 | 41.7 | 11.79 | 11.70 | 11.37 |
| Nondurable Goods | 420.09 | 414.72 | 407.84 | 40.2 | 39.8 | 40.3 | 10.45 | 10.42 | 10.12 |

## NORTH DAKOTA

## MANUFACTURING HOURS AND EARNINGS

| INDUSTRY | Average Weekly Earnings | | | Average Weekly Hours | | | Average Hourly Earnings | | |
|---|---|---|---|---|---|---|---|---|---|
| | JUN 1991 | MAY 1991 | JUN 1990 | JUN 1991 | MAY 1991 | JUN 1990 | JUN 1991 | MAY 1991 | JUN 1990 |
| MANUFACTURING | 366.62 | 366.40 | 359.07 | 40.2 | 40.0 | 40.3 | 9.12 | 9.16 | 8.91 |
| Durable Goods | 389.99 | 385.56 | 379.20 | 41.4 | 40.8 | 41.9 | 9.42 | 9.45 | 9.05 |
| Nondurable Goods | 338.63 | 341.93 | 332.72 | 38.7 | 38.9 | 38.2 | 8.75 | 8.79 | 8.71 |
| Food & Kindred | 343.00 | 343.20 | 332.29 | 40.4 | 40.0 | 39.7 | 8.49 | 8.58 | 8.37 |

## FARGO-MOORHEAD MSA

## MANUFACTURING HOURS AND EARNINGS

| INDUSTRY | Average Weekly Earnings | | | Average Weekly Hours | | | Average Hourly Earnings | | |
|---|---|---|---|---|---|---|---|---|---|
| | JUN 1991 | MAY 1991 | JUN 1990 | JUN 1991 | MAY 1991 | JUN 1990 | JUN 1991 | MAY 1991 | JUN 1990 |
| MANUFACTURING | 343.88 | 346.03 | 335.51 | 37.5 | 37.9 | 38.3 | 9.17 | 9.13 | 8.76 |
| Durable Goods | 359.90 | 345.59 | 342.79 | 39.9 | 38.7 | 41.3 | 9.02 | 8.93 | 8.30 |
| Nondurable Goods | 326.90 | 346.32 | 327.71 | 35.0 | 37.0 | 34.9 | 9.34 | 9.36 | 9.39 |

## LABOR FORCE

## NORTH DAKOTA AND MSA'S

| Benchmark 90/1 | CURRENT MONTH | PREVIOUS MONTH | % CHANGE FROM | ONE YEAR AGO | % CHANGE FROM |
|---|---|---|---|---|---|
| | JUN 1991 | MAY 1991 | MAY 1991 | JUN 1990 | JUN 1990 |
| **UNITED STATES** | | | | | |
| (In Thousands) | | | | | |
| Labor Force | 125,629 | 126,689 | -0.8% | 126,466 | -0.7% |
| Employment | 116,884 | 118,049 | -1.0% | 120,019 | -2.6% |
| Unemployment | 8,745 | 8,640 | 1.2% | 6,447 | 35.6% |
| Unemployment Rate | 7.0% | 6.8% | xxx | 5.1% | xxx |
| **NORTH DAKOTA** | | | | | |
| Labor Force | 328,820 | 321,850 | 2.2% | 333,410 | -1.4% |
| Employment | 315,160 | 308,340 | 2.2% | 320,470 | -1.7% |
| Unemployment | 13,660 | 13,510 | 1.1% | 12,940 | 5.6% |
| Unemployment Rate | 4.2% | 4.2% | xxx | 3.9% | xxx |
| **BISMARCK MSA** | | | | | |
| Labor Force | 48,920 | 47,340 | 3.3% | 48,330 | 1.2% |
| Employment | 47,070 | 45,530 | 3.4% | 46,520 | 1.2% |
| Unemployment | 1,850 | 1,810 | 2.2% | 1,810 | 2.2% |
| Unemployment Rate | 3.8% | 3.8% | xxx | 3.7% | xxx |
| **FARGO-MOORHEAD MSA** | | | | | |
| Labor Force | 90,030 | 89,780 | 0.3% | 88,500 | 1.7% |
| Employment | 87,390 | 86,830 | 0.6% | 86,280 | 1.3% |
| Unemployment | 2,640 | 2,950 | -10.5% | 2,220 | 18.9% |
| Unemployment Rate | 2.9% | 3.3% | xxx | 2.5% | xxx |
| **GRAND FORKS MSA** | | | | | |
| Labor Force | 35,260 | 35,840 | -1.6% | 35,480 | -0.6% |
| Employment | 34,010 | 34,500 | -1.4% | 34,030 | -0.1% |
| Unemployment | 1,250 | 1,340 | -6.7% | 1,450 | -13.8% |
| Unemployment Rate | 3.6% | 3.7% | xxx | 4.1% | xxx |

U. S. data seasonally adjusted, other data not seasonally adjusted.

The Bismarck Metropolitan Statistical Area (MSA) includes Burleigh and Morton Counties.
The Fargo-Moorhead MSA includes Cass and Clay Counties.
The Grand Forks MSA includes Grand Forks County.

## BORDERING STATE LABOR FORCE COMPARISONS

(In Thousands)
MAY 1991

| | NORTH DAKOTA | MINNESOTA | SOUTH DAKOTA | MONTANA |
|---|---|---|---|---|
| Labor Force | 321.8 | 2,467.3 | 364.3 | 405.5 |
| Employment | 308.3 | 2,330.9 | 352.1 | 379.6 |
| Unemployment | 13.5 | 136.4 | 12.2 | 25.9 |
| Unemployment Rate | 4.2% | 5.5% | 3.4% | 6.4% |

## U. S. CONSUMER PRICE INDEX

## ALL URBAN CONSUMERS

(1982-84 = 100)

| ITEM | ANNUAL AVERAGE 1990 | JUN 1991 | MAY 1991 | Percent Change From MAY 1991 | JUN 1990 | Percent Change From JUN 1990 |
|---|---|---|---|---|---|---|
| All Items | 130.7 | 136.0 | 135.6 | 0.3% | 129.9 | 4.7% |
| Food & Beverage | 132.1 | 137.7 | 137.3 | 0.3% | 131.7 | 4.6% |
| Housing | 128.5 | 133.4 | 132.8 | 0.5% | 128.3 | 4.0% |
| Apparel & Upkeep | 124.1 | 126.9 | 129.4 | -1.9% | 123.3 | 2.9% |
| Transportation | 120.5 | 123.7 | 123.3 | 0.3% | 118.2 | 4.7% |
| Medical Care | 162.8 | 176.2 | 175.2 | 0.6% | 161.9 | 8.8% |
| Entertainment | 132.4 | 138.1 | 137.8 | 0.2% | 131.9 | 4.7% |
| All Other | 159.0 | 170.0 | 169.1 | 0.5% | 157.8 | 7.7% |

## PRODUCER PRICE INDEX

## UNITED STATES AVERAGE

| ITEM | ANNUAL AVERAGE 1990 | JUN 1991 | MAY 1991 | Percent Change From MAY 1991 | JUN 1990 | Percent Change From JUN 1990 |
|---|---|---|---|---|---|---|
| All Commodities | 116.3 | 116.3 | 116.5 | -0.2% | 114.3 | 1.7% |
| Farm Products & Processed Foods and Feeds | 118.6 | 117.7 | 118.5 | -0.7% | 119.6 | -1.6% |
| Industrial Commodities | 115.8 | 116.0 | 116.1 | -0.1% | 113.2 | 2.5% |

# LABOR FORCE - BY COUNTY - BY REGION

| Benchmark 90/1 | LABOR FORCE | | | EMPLOYMENT | | | UNEMPLOYMENT | | | RATE | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | JUN'91 | MAY'91 | JUN'90 | JUN'91 | MAY'91 | JUN'90 | JUN'91 | MAY'91 | JUN'90 | JUN'91 | MAY'91 | JUN'90 |
| Divide | 1,340 | 1,305 | 1,442 | 1,305 | 1,268 | 1,421 | 35 | 37 | 21 | 2.6% | 2.8% | 1.5% |
| McKenzie | 2,486 | 2,532 | 2,780 | 2,361 | 2,393 | 2,685 | 125 | 139 | 95 | 5.0% | 5.5% | 3.4% |
| Williams | 11,194 | 10,767 | 11,403 | 10,750 | 10,208 | 11,005 | 444 | 559 | 398 | 4.0% | 5.2% | 3.5% |
| REGION 1 | 15,020 | 14,604 | 15,625 | 14,416 | 13,869 | 15,111 | 604 | 735 | 514 | 4.0% | 5.0% | 3.3% |
| Bottineau | 3,233 | 3,074 | 3,511 | 3,119 | 2,930 | 3,348 | 114 | 144 | 163 | 3.5% | 4.7% | 4.6% |
| Burke | 1,260 | 1,255 | 1,303 | 1,186 | 1,186 | 1,259 | 74 | 69 | 44 | 5.9% | 5.5% | 3.4% |
| McHenry | 2,355 | 2,404 | 2,570 | 2,171 | 2,192 | 2,326 | 184 | 212 | 244 | 7.8% | 8.8% | 9.5% |
| Mountrail | 3,326 | 3,149 | 3,350 | 3,068 | 2,915 | 3,156 | 258 | 234 | 194 | 7.8% | 7.4% | 5.8% |
| Pierce | 2,414 | 2,271 | 2,574 | 2,343 | 2,207 | 2,512 | 71 | 64 | 62 | 2.9% | 2.8% | 2.4% |
| Renville | 1,143 | 1,161 | 1,195 | 1,081 | 1,108 | 1,144 | 62 | 53 | 51 | 5.4% | 4.6% | 4.3% |
| Ward | 26,249 | 25,494 | 26,431 | 25,220 | 24,358 | 25,422 | 1,029 | 1,136 | 1,009 | 3.9% | 4.5% | 3.8% |
| REGION 2 | 39,980 | 38,808 | 40,934 | 38,188 | 36,896 | 39,167 | 1,792 | 1,912 | 1,767 | 4.5% | 4.9% | 4.3% |
| Benson | 2,789 | 2,783 | 3,056 | 2,531 | 2,536 | 2,753 | 258 | 247 | 303 | 9.3% | 8.9% | 9.9% |
| Cavalier | 2,459 | 2,414 | 2,628 | 2,356 | 2,297 | 2,509 | 103 | 117 | 119 | 4.2% | 4.8% | 4.5% |
| Eddy | 1,356 | 1,341 | 1,482 | 1,259 | 1,211 | 1,381 | 97 | 130 | 101 | 7.2% | 9.7% | 6.8% |
| Ramsey | 6,604 | 6,433 | 6,747 | 6,391 | 6,244 | 6,538 | 213 | 189 | 209 | 3.2% | 2.9% | 3.1% |
| Rolette | 4,118 | 4,187 | 4,474 | 3,285 | 3,618 | 3,533 | 833 | 569 | 941 | 20.2% | 13.6% | 21.0% |
| Towner | 1,720 | 1,704 | 1,776 | 1,659 | 1,651 | 1,735 | 61 | 53 | 41 | 3.5% | 3.1% | 2.3% |
| REGION 3 | 19,046 | 18,862 | 20,163 | 17,481 | 17,557 | 18,449 | 1,565 | 1,305 | 1,714 | 8.2% | 6.9% | 8.5% |
| Grand Forks | 35,262 | 35,837 | 35,478 | 34,010 | 34,502 | 34,032 | 1,252 | 1,335 | 1,446 | 3.6% | 3.7% | 4.1% |
| Nelson | 1,834 | 1,748 | 1,942 | 1,770 | 1,689 | 1,881 | 64 | 59 | 61 | 3.5% | 3.4% | 3.1% |
| Pembina | 4,902 | 4,854 | 5,279 | 4,591 | 4,492 | 4,871 | 311 | 362 | 408 | 6.3% | 7.5% | 7.7% |
| Walsh | 7,608 | 7,351 | 7,898 | 7,292 | 7,050 | 7,524 | 316 | 301 | 374 | 4.2% | 4.1% | 4.7% |
| REGION 4 | 49,606 | 49,790 | 50,597 | 47,663 | 47,733 | 48,308 | 1,943 | 2,057 | 2,289 | 3.9% | 4.1% | 4.5% |
| Cass | 63,483 | 62,857 | 62,638 | 61,847 | 61,197 | 61,373 | 1,636 | 1,660 | 1,265 | 2.6% | 2.6% | 2.0% |
| Ransom | 2,642 | 2,541 | 2,775 | 2,590 | 2,495 | 2,704 | 52 | 46 | 71 | 2.0% | 1.8% | 2.6% |
| Richland | 8,972 | 8,409 | 8,835 | 8,319 | 8,031 | 8,470 | 653 | 378 | 365 | 7.3% | 4.5% | 4.1% |
| Sargent | 2,871 | 2,748 | 2,880 | 2,818 | 2,687 | 2,841 | 53 | 61 | 39 | 1.8% | 2.2% | 1.4% |
| Steele | 1,059 | 1,013 | 1,158 | 1,044 | 986 | 1,126 | 15 | 27 | 32 | 1.4% | 2.7% | 2.8% |
| Traill | 4,020 | 3,959 | 4,278 | 3,836 | 3,749 | 4,113 | 184 | 210 | 165 | 4.6% | 5.3% | 3.9% |
| REGION 5 | 83,047 | 81,527 | 82,564 | 80,454 | 79,145 | 80,627 | 2,593 | 2,382 | 1,937 | 3.1% | 2.9% | 2.3% |

# LABOR FORCE - BY COUNTY - BY REGION

| Benchmark 90/1 | LABOR FORCE | | | EMPLOYMENT | | | UNEMPLOYMENT | | | RATE | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | JUN'91 | MAY'91 | JUN'90 | JUN'91 | MAY'91 | JUN'90 | JUN'91 | MAY'91 | JUN'90 | JUN'91 | MAY'91 | JUN'90 |
| Barnes | 5,832 | 5,574 | 5,926 | 5,641 | 5,377 | 5,775 | 191 | 197 | 151 | 3.3% | 3.5% | 2.5% |
| Dickey | 3,019 | 2,936 | 3,119 | 2,934 | 2,837 | 3,063 | 85 | 99 | 56 | 2.8% | 3.4% | 1.8% |
| Foster | 2,109 | 2,097 | 2,216 | 2,053 | 2,025 | 2,149 | 56 | 72 | 67 | 2.7% | 3.4% | 3.0% |
| Griggs | 1,431 | 1,422 | 1,568 | 1,391 | 1,385 | 1,527 | 40 | 37 | 41 | 2.8% | 2.6% | 2.6% |
| La Moure | 2,188 | 2,203 | 2,320 | 2,142 | 2,147 | 2,266 | 46 | 56 | 54 | 2.1% | 2.5% | 2.3% |
| Logan | 1,406 | 1,373 | 1,506 | 1,356 | 1,331 | 1,456 | 50 | 42 | 50 | 3.6% | 3.1% | 3.3% |
| McIntosh | 2,132 | 2,106 | 2,261 | 2,088 | 2,061 | 2,232 | 44 | 45 | 29 | 2.1% | 2.1% | 1.3% |
| Stutsman | 11,173 | 11,128 | 11,776 | 10,799 | 10,620 | 11,396 | 374 | 508 | 380 | 3.3% | 4.6% | 3.2% |
| Wells | 2,701 | 2,629 | 2,818 | 2,548 | 2,454 | 2,674 | 153 | 175 | 144 | 5.7% | 6.7% | 5.1% |
| REGION 6 | 31,991 | 31,468 | 33,510 | 30,952 | 30,237 | 32,538 | 1,039 | 1,231 | 972 | 3.2% | 3.9% | 2.9% |
| Burleigh | 35,854 | 34,716 | 35,321 | 34,544 | 33,413 | 34,134 | 1,310 | 1,303 | 1,187 | 3.7% | 3.8% | 3.4% |
| Emmons | 2,116 | 2,094 | 2,223 | 2,048 | 2,001 | 2,150 | 68 | 93 | 73 | 3.2% | 4.4% | 3.3% |
| Grant | 1,772 | 1,695 | 1,880 | 1,670 | 1,615 | 1,816 | 102 | 80 | 64 | 5.8% | 4.7% | 3.4% |
| Kidder | 1,490 | 1,475 | 1,598 | 1,408 | 1,366 | 1,488 | 82 | 109 | 110 | 5.5% | 7.4% | 6.9% |
| McLean | 4,486 | 4,467 | 4,505 | 4,231 | 4,241 | 4,280 | 255 | 226 | 225 | 5.7% | 5.1% | 5.0% |
| Mercer | 5,827 | 5,563 | 5,811 | 5,415 | 5,207 | 5,471 | 412 | 356 | 340 | 7.1% | 6.4% | 5.9% |
| Morton | 13,073 | 12,630 | 13,003 | 12,530 | 12,120 | 12,382 | 543 | 510 | 621 | 4.2% | 4.0% | 4.8% |
| Oliver | 1,143 | 1,060 | 1,143 | 1,090 | 1,030 | 1,102 | 53 | 30 | 41 | 4.6% | 2.8% | 3.6% |
| Sheridan | 1,127 | 1,075 | 1,196 | 1,083 | 1,019 | 1,160 | 44 | 56 | 36 | 3.9% | 5.2% | 3.0% |
| Sioux | 1,312 | 1,163 | 1,250 | 844 | 1,004 | 876 | 468 | 159 | 374 | 35.7% | 13.7% | 29.9% |
| REGION 7 | 68,200 | 65,938 | 67,930 | 64,863 | 63,016 | 64,859 | 3,337 | 2,922 | 3,071 | 4.9% | 4.4% | 4.5% |
| Adams | 1,768 | 1,690 | 1,769 | 1,739 | 1,655 | 1,739 | 29 | 35 | 30 | 1.6% | 2.1% | 1.7% |
| Billings | 1,257 | 877 | 1,163 | 1,230 | 848 | 1,143 | 27 | 29 | 20 | 2.1% | 3.3% | 1.7% |
| Bowman | 2,174 | 2,043 | 2,192 | 2,118 | 1,984 | 2,165 | 56 | 59 | 27 | 2.6% | 2.9% | 1.2% |
| Dunn | 1,648 | 1,636 | 1,781 | 1,546 | 1,548 | 1,680 | 102 | 88 | 101 | 6.2% | 5.4% | 5.7% |
| Gldn Valley | 992 | 1,036 | 1,006 | 946 | 982 | 995 | 46 | 54 | 11 | 4.6% | 5.2% | 1.1% |
| Hettinger | 1,636 | 1,649 | 1,820 | 1,604 | 1,603 | 1,743 | 32 | 46 | 77 | 2.0% | 2.8% | 4.2% |
| Slope | 445 | 441 | 474 | 421 | 407 | 450 | 24 | 34 | 24 | 5.4% | 7.7% | 5.1% |
| Stark | 12,013 | 11,481 | 11,884 | 11,540 | 10,862 | 11,494 | 473 | 619 | 390 | 3.9% | 5.4% | 3.3% |
| REGION 8 | 21,933 | 20,853 | 22,089 | 21,144 | 19,889 | 21,409 | 789 | 964 | 680 | 3.6% | 4.6% | 3.1% |
| **STATE TOTALS** | 328,825 | 321,854 | 333,411 | 315,161 | 308,344 | 320,469 | 13,664 | 13,510 | 12,942 | 4.2% | 4.2% | 3.9% |

## DEFINITIONS

**EMPLOYED:** A count of individuals 16 years of age or older who worked for pay any time during the week which included the 12th of the month or who worked unpaid for 15 hours or more in a family-operated enterprise. Members of the Armed Forces stationed in the United States are included in the U.S. totals, but are excluded from the North Dakota and MSA counts.

**UNEMPLOYED:** Includes all individuals who did not work during the survey week, but were available for work except for temporary illness, and had looked for jobs within the preceding four weeks.

**LABOR FORCE:** The sum of the employed and the unemployed.

**UNEMPLOYMENT RATE:** The number of unemployed as a percent of the total labor force.

**CONSUMER PRICE INDEX:** A monthly statistical measure of the average change in prices in a fixed market basket of goods and services. Though the CPI is often call the "Cost of Living Index," it measures only price change, which is just one of several important factors affecting living costs. The index is produced by the Bureau of Labor Statistics, U. S. Department of Labor.

**PRODUCER PRICE INDEX:** This index measures the average changes in prices received in primary markets of the United States by producers of commodities in all states of processing. The index is produced by the Bureau of Labor Statistics, U. S. Department of Labor.

**NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT:** An estimate of all full- and part-time wage and salary employees who worked during, or received pay from the pay period which included the 12th of the month. Estimates measure the number of jobs by industry and reflect employment by place of work.

## JOB SERVICE OFFICE LOCATIONS

**BISMARCK**
216 Second Street
Phone: 224-2880

**BEULAH**
119 East Main
Phone: 873-5607

**DEVILS LAKE**
301 South College Drive
Phone: 662- 2181

**DICKINSON**
66 Osborn Drive
Phone: 227-2361

**FARGO**
1350 32nd Street South
Phone: 239-7100

**NDSU-FARGO**
Career Services
211 Ceres Hall
Phone: 237-7111

**FORT TOTTEN**
Tribal Building
Phone: 766-4221, Ext. 45

**FORT YATES**
Job Service Building
Phone: 854-7463

**GRAFTON**
927 12th St. West
Phone: 352-4450

**GRAND FORKS**
2016 South Washington
Phone: 777-3711

**UND-GRAND FORKS**
McCannel Hall- Room 141
Phone: 777-3904

**HARVEY**
119 9th St. West
Phone: 324-4552

**HETTINGER**
606 2nd Avenue North
Phone: 567-2156

**JAMESTOWN**
429 2nd Street Southwest
Phone: 251-2256

**MANDAN**
501 1st Street Northwest
Phone: 663-6461

**MINOT**
3416 North Broadway
Phone: 857-7650

**NEW TOWN**
Tribal Administration Building
Phone: 627-4390

**OAKES**
517 Main Ave.
PHONE: 742-2546

**ROLLA**
103 East Main
Phone: 477-5631

**VALLEY CITY**
2425 West Main
Phone: 845-7261

**WAHPETON**
524 2nd Avenue North
Phone: 671-2711

**WILLISTON**
422 1st Avenue West
Phone: 774-4370